

## PATENT ABSTRACTS OF JAPAN

(11) Publication number : 11-199713

(43) Date of publication of application : 27. 07. 1999

(51) Int. CI.

C08L 19/00  
B60C 1/00  
B60C 5/14  
C08L 23/22  
C08L 25/16  
C08L 77/00

(21) Application number : 10-005028

(71) Applicant : YOKOHAMA RUBBER CO LTD:THE

(22) Date of filing : 13. 01. 1998

(72) Inventor : WATANABE JIRO  
YAMAKAWA KATSUHITO  
KANARI DAISUKE  
KURODA NORIAKI  
KAWAGUCHI TAKESHI  
HARA YUICHI  
KAWAMO TETSUJI  
YAMAUCHI SHIGERU

(54) THERMOPLASTIC ELASTOMER COMPOSITION AND PNEUMATIC TIRE PREPARED BY USING SAME

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a thermoplastic elastomer composition improved in heat resistance, durability, and air permeation resistance as well without detriment to flexibility.

SOLUTION: A nylon resin having a melting point of 170-230°C and an elastomer containing a product of halogenation of an isobutylene/p-methylstyrene copolymer are dynamically vulcanized to a gel fraction of 50-95%. Desirably the nylon resin comprises nylon 11 or 12 and a nylon 6/66 copolymer in a compositional ratio of 10/90 to 90/10. This composition can be effectively utilized for air permeation preventive layers of pneumatic tires.

## LEGAL STATUS

[Date of request for examination] 26. 02. 1999

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3236257

[Date of registration] 28. 09. 2001

BEST AVAILABLE COPY

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C) ; 1998, 2003 Japan Patent Office

BEST AVAILABLE COPY